

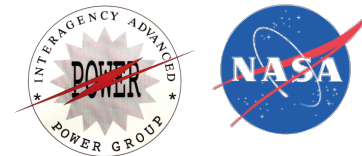
2010 Chemical Working Group Status

Interagency Advanced Power Group

2010 Face-to-Face Steering Group Meeting

December 1, 2010

The Steering Group for the Interagency Advanced Power Group (IAPG) held their business meeting on November 30-December 1st in McLean, Virginia. Status reports were presented from each of the IAPG's Working Groups. These charts contain a brief summary of the IAPG Chemical Working Group's activities during 2010 and its plans for 2011.



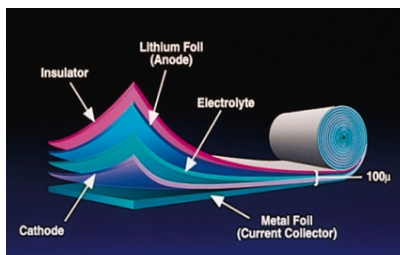
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Interagency Advanced Power Group
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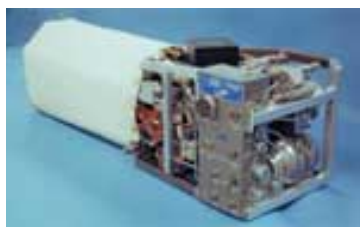
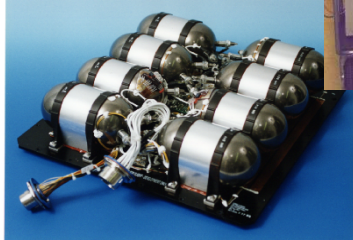
Presented by Concha M. Reid
NASA Glenn Research Center
Chair, Chemical Working Group
(216) 433-8943

Chemical Working Group

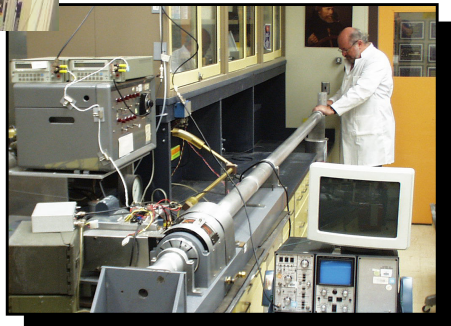
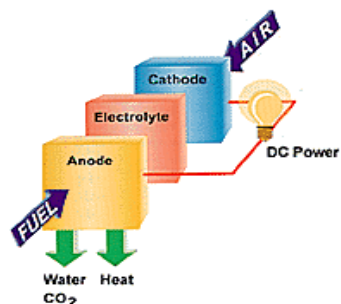
Addressing the nation's challenges
in developing electrochemical energy
storage & power generation technologies



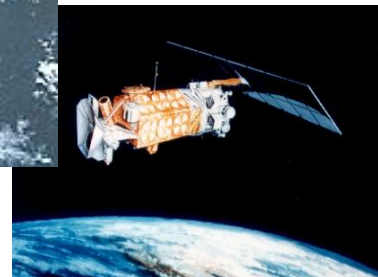
Advanced Batteries



Fuel Cells



Aerospace



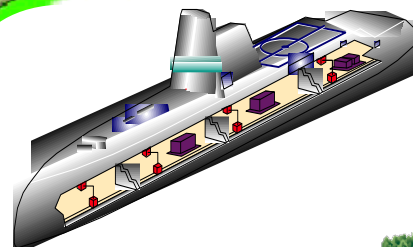
Aeronautics



Environment



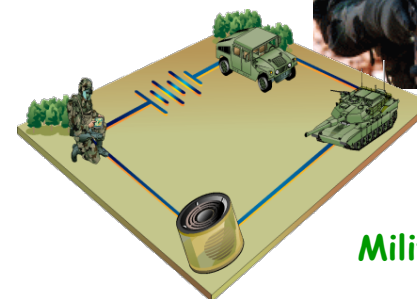
Energy



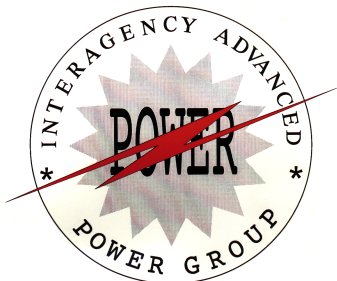
National Security



Military



Supporting technology transitions to meet
future agency-specific mission needs



INTERAGENCY ADVANCED POWER GROUP (IAPG) CHEMICAL WORKING GROUP (CWG) “MISSION STATEMENT”

THE CHEMICAL WORKING GROUP SERVES AS A FORUM FOR THE INTERCHANGE OF BOTH TECHNICAL AND PROGRAMMATIC INFORMATION, AS WELL AS FOR NETWORKING AND SHARING NEW IDEAS, IN THE AREAS OF ELECTROCHEMICAL ENERGY STORAGE AND CONVERSION. FOCUSED TECHNOLOGIES INCLUDE PRIMARY AND SECONDARY BATTERIES, PRIMARY AND REGENERATIVE FUEL CELLS, ELECTROCHEMICAL CAPACITORS, HYBRID SYSTEMS AND ADVANCED CONCEPTS. INTERESTS RANGE FROM BASIC ELECTROCHEMISTRY AND MATERIAL SCIENCE THROUGH COMPONENT DEVELOPMENT, MODELING AND SYSTEM DEVELOPMENT AND IMPLEMENTATION

**EACH INDIVIDUAL CWG MEMBER AGENCY HAS ITS OWN UNIQUE MISSION GOALS & OBJECTIVES AND RESOURCES TO ADDRESS SUCH, BUT ALL SHARE SIMILAR TECHNOLOGY DEVELOPMENT EFFORTS AND THE COMMON TECHNICAL BARRIERS ASSOCIATED WITH SUCH
*THIS JUSTIFIES THE EXISTANCE AND IMPORTANCE OF THE WORKING GROUP !***

2010 Chemical Working Group Meeting

- Annual business meeting convened after the 44th Power Sources Conference in Las Vegas, NV on July 17-18th, 2010.
 - 48 participants attended the meeting (~140 registered CWG members)
 - Divisions from 6 member agencies made presentations, 3 special topic-of-interest presentations made – total of 21 presentations
- Welcomed Agency A into official membership
 - Gave their first CWG presentation as official members
 - Have attended and participated in CWG meetings for many years
- Hosted three reps from the Government Accountability Office
- Discussed and agreed upon streamlined meeting process
 - Two issues – length of meeting (well into the night on Thursday and early on Friday after being at technical conference for 3½ days), and burden on Administrative Coordinator to make late-arriving presentations available
- Announced venue for 2011 meeting

2010 Accomplishments

- Convened technical meeting – well attended by member agencies and guest agencies
- Change of leadership
 - NASA rotated from Vice-Chair position to Chair position (Concha Reid)
 - The Army rotated into the Vice-Chair position (Terrill Atwater)
 - The Navy rotated out of the Chair position (Peter Keller)
- Welcomed Agency A
- Agreed to continue meeting in conjunction with a major conference
 - Already well attended by member agencies
 - Saves on travel dollars and travel time
 - Brainstormed ideas to streamline meeting process so the week is not so tiring for attendees

2010 Accomplishments (cont.)

- Agreed on a streamlined meeting process to reduce burden on attendees and administrative coordinator
 - Focus on updates on agency programmatic activities and new activities, issues in electrochemical technology areas, issues with contracts (performance on contract, quality of deliverables, bankruptcies/closures/transfer of ownership, etc.)
 - This is not the forum for technical talks – technical meeting is held prior to CWG
 - Details of continuing efforts are available in prior year's meeting notes
 - Electronic copies of all presentations to be made available at the meeting
 - Most attendees find it more convenient to look at slides on computer and they don't have to carry a large bundle of paper home (need adequate electrical outlets at meeting site)
 - More secure and easier to distribute immediately
 - A few hard copies will be available for individuals that prefer paper
 - Saves money on paper & shipping, saves time and effort for work for Barbara, saves trees
 - Member agencies must be diligent to get presentations to Barbara in time to make available electronically to everyone

2010 Accomplishments (cont.)

- Identified and acted upon question of duplicative SBIR contracts
 - Resulted in a “warning” being issued to the contractor by NASA (who funded one of the contracts) that in the future they must divulge in their proposals if they have proposed similar work to the government or have been awarded to do similar work

Plans for 2011

- Annual business meeting will convene after the Electrochemical Power Sources R&D Symposium on June 23-24, 2011 at the Monterey Marriott in Monterey, CA.
 - Implement streamlined meeting process
 - Presentations on focused technology topics/briefings of mutual interest or concern to member agencies
 - Re-stress importance of documentation of potential duplicative efforts, follow-through by agencies affected, and results/findings/actions taken by the government
- Compilation/distribution of meeting minutes and all presentations on CD-ROM for distribution to meeting attendees, agency POCs, and Steering Group members
- Preparation of steering group report and examples of “meeting impact”, and addressing any additional requests/needs
- Pursuit of any interagency collaborations/alliances